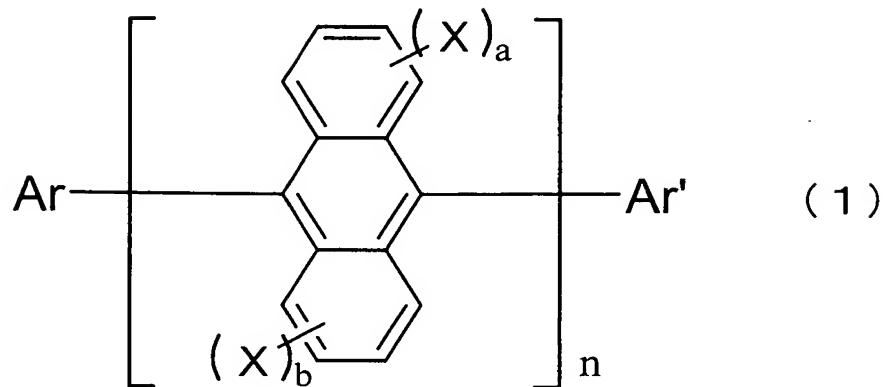


CLAIMS

1. An anthracene derivative represented by following general formula (1):

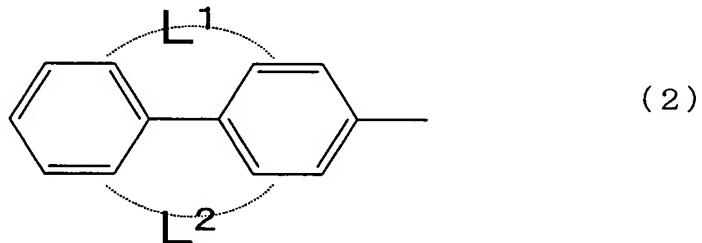


5

wherein

Ar represents a substituted or unsubstituted group represented by following general formula (2):

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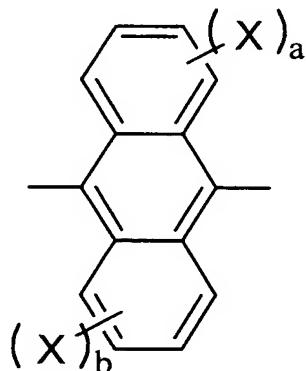
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in general formula (2), L<sup>1</sup> and L<sup>2</sup> each representing a substituted or 20 unsubstituted linking group which forms a cyclic structure, and at least one of the groups represented by L<sup>1</sup> and L<sup>2</sup> being present,

Ar' represents a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms,

X represents a substituted or unsubstituted alkyl group having 1 to 25 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to

50 carbon atoms, a substituted or unsubstituted cycloalkyl group having 5 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 60 carbon atoms, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic 5 heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted aryloxyl group having 5 to 50 nuclear atoms or a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms,  
10 a and b each represent an integer of 0 to 4 and when a plurality of groups represented by X are present, they may be the same with or different from each other, and  
n represents an integer of 1 to 3 and, when n represents 2 or 3, a plurality of groups represented by:



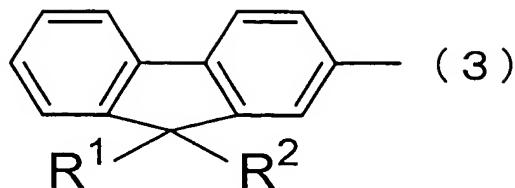
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may be a same with or different from each other;

with proviso that

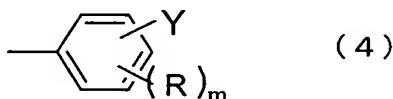
when Ar represents a group represented by a following general formula (3):

20



wherein R<sup>1</sup> and R<sup>2</sup> each represent hydrogen atom, a substituted or unsubstituted alkyl group having 1 to 6 carbon atoms, a substituted or 5 unsubstituted alkoxy group having 1 to 6 carbon atoms or a substituted or unsubstituted phenyl group,

(i) Ar' represents an aryl group represented by following general formula (4):



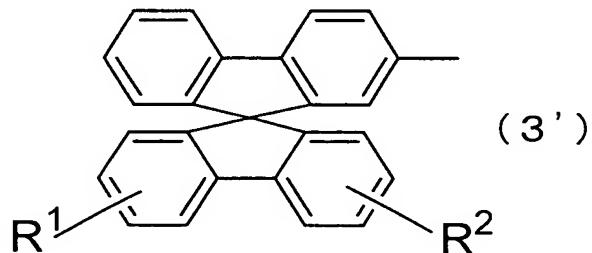
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wherein Y represents a substituted or unsubstituted aromatic condensed cyclic residue group having 10 or more nuclear atoms or a substituted or unsubstituted aromatic non-condensed cyclic residue group having 12 or more nuclear atoms, R represents a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted aryloxyl group having 5 to 50 nuclear atoms or a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, and m represents an integer of 0 to 4, or

(ii) at least one of  $a$  and  $b$  does not represent 0, and  $X$

represents a substituted or unsubstituted alkyl group having 4 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 4 to 50 carbon atoms, a substituted or unsubstituted cycloalkyl group having 5 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 60 carbon atoms, a substituted or unsubstituted aryl group having 10 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 10 to 50 nuclear atoms, a substituted or unsubstituted aryloxyl group having 5 to 50 nuclear atoms or a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms,  
5 and  
10 and

when Ar represents a group represented by a following general formula (3'):



15

wherein R<sup>1</sup> and R<sup>2</sup> are as defined above, Ar' represents an aryl group represented by the foregoing general formula (4).

2. An anthracene derivative according to Claim 1, which is a light emitting material for organic electroluminescence devices.  
20
3. An anthracene derivative according to Claim 1, which is a hole transporting material for organic electroluminescence devices.

4. An organic electroluminescence device which comprises a cathode, an anode and one or more organic thin film layer comprising at least one layer including a light emitting layer and sandwiched between the 5 cathode and the anode, wherein at least one layer in the organic thin film layers comprises an anthracene derivative represented by general formula (1) described in Claim 1 singly or as a component of a mixture.

5. An organic electroluminescence device according to Claim 4, wherein 10 said light emitting layer comprises the anthracene derivative represented by general formula (1).

6. An organic electroluminescence device according to Claim 4, wherein said light emitting layer comprises the anthracene derivative represented 15 by general formula (1) as a main component.

7. An organic electroluminescence device according to Claim 4, wherein said light emitting layer further comprises an arylamine compound.

20 8. An organic electroluminescence device according to Claim 4, wherein said light emitting layer further comprises a styrylamine compound.

9. An organic electroluminescence device according to Claim 4, wherein 25 said organic thin film layers comprise a hole transporting layer, and the hole transporting layer comprises the anthracene derivative represented by general formula (1) described in Claim 1 singly or as a component of a

mixture.

10. An organic electroluminescence device according to Claim 9, wherein the hole transporting layer comprises the anthracene derivative  
5 represented by general formula (1) as a main component.